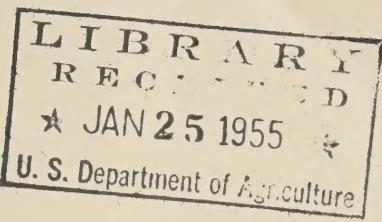


62.61



SAKATA'S RELIABLE SEEDS

1955

CONTRACT PRICE LIST



SAKATA'S ALL DOUBLE PETUNIA

HERBST BROTHERS

SEEDSMEN INC.

678 Broadway, New York 12, N.Y.

AGENTS FOR

T. SAKATA & Co., Yokohama, Japan

TERMS OF SALE

- Offers :** All offers are without engagement of any kind.
- Orders :** All orders are booked subject to crop out-turn and pro-rata delivery.
- Price :** All prices are quoted in U. S. Dollars and Cents and are subject to change without notice.
- Shipment :** All seeds are delivered f. o. b. Yokohama, as soon as possible after harvest and thence travel at customer's risk and expense. We cannot be held responsible for any delay, loss, damage etc., aroused from any cause which is beyond our control.
- Packing :** Bags and containers are charged at cost price and are not returnable.
- Insurance :** All shipments are insured at customer's expense, unless otherwise instructed.
- Shipping Instructions :**
Customers are requested to forward clear shipping and forwarding instructions together with order, or designate the routing which will be followed as far as possible; otherwise best judgement will be used in selecting carriers and routes.
- Complaints :** Complaints and claims will be considered only if made within 10 days after receipt of goods. However, a restitution for and article can never exceed the amount charged for it on the invoice. No complaint whatever gives any ground for adjournment of any payment.
- Warranty :** T. Sakata & Co., devote to the production, harvesting, and shipping of their seed with the greatest possible attention, and furnish only seed which merits their own full confidence. However, they give no warranty, express or implied, as to the description, quality or productiveness or any other matter of the seed they deliver, nor will they be held responsible for the crop in any way.

Please favor us with your order as early as possible through

**HERBST BROTHERS
SEEDSMEN INC**

678 Broadway,

New York 12, New York

Sole Agents for United States and Canada



Sakata's new Giant Victorious All Double Petunias

SAKATA'S ALL DOUBLE PETUNIAS

NEW INTRODUCTION

Giant Victorious All Double Petunias

A new development with gigantic 5" across full double fringed flower, far much superior to the previous Victorious. This is dwarf and compact in growth for the size of flower. We can recommend this new strains with full confidence. Can supply both in formula mixture as well as in separate colors.

Giant Victorious, Formula mixed colors

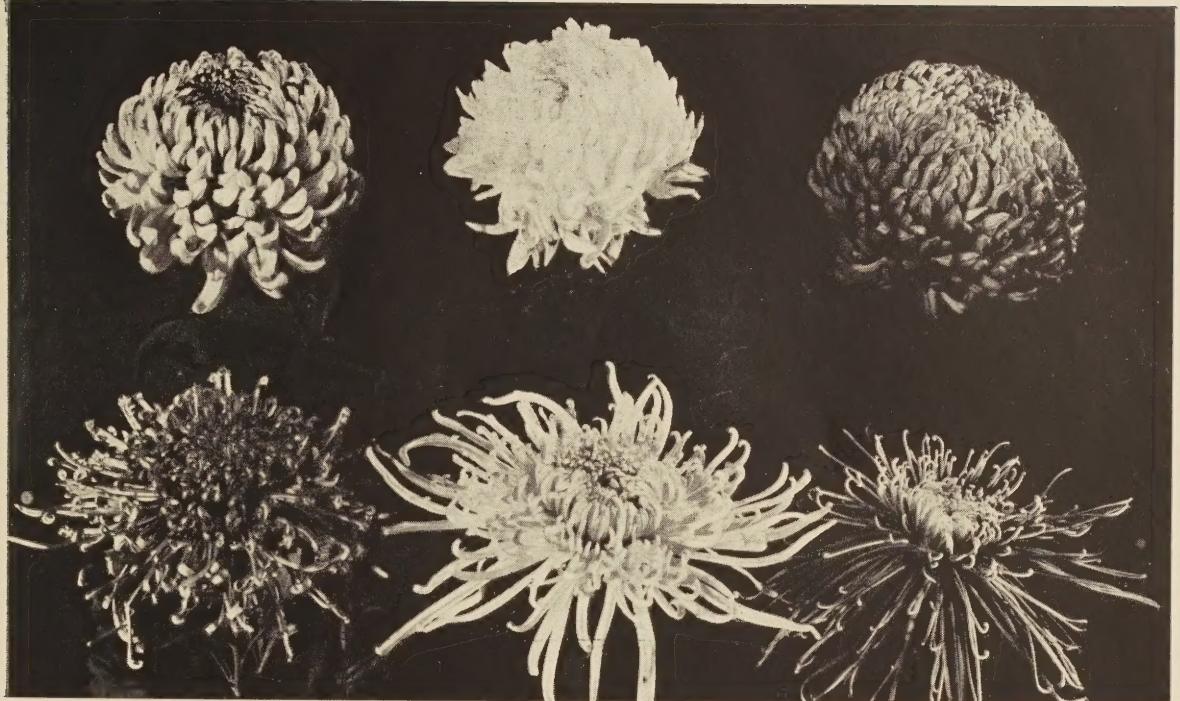
This has wide range of colors such as carmine, salmon rose, rich violet, white, blue, purple, variegated etc. We are making formula mixture out of separate colors.

Giant Victorious, Cheerful

The most charming clearest pink in enormous 5 inch flower. Fully doubled and fringed. Almost all large flowered in perfect form. One of the best of All Double Petunias.

Giant Victorious, Sunset Giant

Brilliant deep salmon shaded scarlet full double well fringed large flower. We think this is a new color in the All Doubles. Much brighter than Allegro, in similar large size and form. Also one of the best of Giant Victorious Group.



LARGE FLOWERED CHRYSANTHEMUMS FROM SEEDS

(For spot shipment)

You will be surprised to have large 6" full double Chrysanthemum flowers from our seed. We, ourselves, were highly pleased to see them in our trial and by supplying our seeds to our customers our confidence in quality was confirmed. Some of them wrote us that they were thrilled to see such outstanding flowers from seed. Some wrote us that they were surprised to find such nice flowers. They, not only come mostly true to type, but cover wide range of beautiful colors. Many of the seedlings will turn out to be quite a novelty. Photo shows the type of flowers grown out of our seed. The seeds were saved by careful hand pollination out of selected parents. For flower, outside of winter warm climate, must be well protected from frost after fall.

Prices for spot shipment by air

		Per 1 oz	$\frac{1}{4}$ oz	$\frac{1}{8}$ oz	1/16 oz
japonicum large Anemone-fl. mixed colors	... ... (Per 100 seeds \$ 0.50)	400.00	103.00	53.00	27.00
" incurved flower, mixed colors	... ... (Per 100 seeds \$ 0.50)	400.00	103.00	53.00	27.00
" medium sized pompon mixed colors	... ... (Per 100 seeds \$ 0.50)	400.00	103.00	53.00	27.00
" spider type, mixed colors	... ... (Per 100 seeds \$ 0.50)	400.00	103.00	53.00	27.00
" all sorts and colors mixed	... ... (Per 100 seeds \$ 0.35)	280.00	72.00	37.00	19.00



Giant Victorious, Purple Queen

Undoubtedly the largest and best of all double purple Petunias. Gigantic 5 inch flower has perfect form and substance accompanied by the most brilliant rich purple color shaded velvety blue. All large flowered.

Giant Victorious, Darling

Over 90% of the seedlings produce enormous 5 inch across full double, well fringed flower of the most pleasing carmine rose color. A few of them show white variegation. Small percentage of seedlings produces double flowers of somewhat smaller size.

Giant Victorious, Salmon Supreme

Pleasing salmon rose color like Allegro with equally large flower. Fully doubled and fringed. Nearly all large-flowered as in the other Giant Victorious strains.

Giant Victorious, Blue Monarch

Probably the best of all double-flowering Violet Blue color. This is very dwarf and compact. Almost all large flowered in its rich velvety violet blue color.

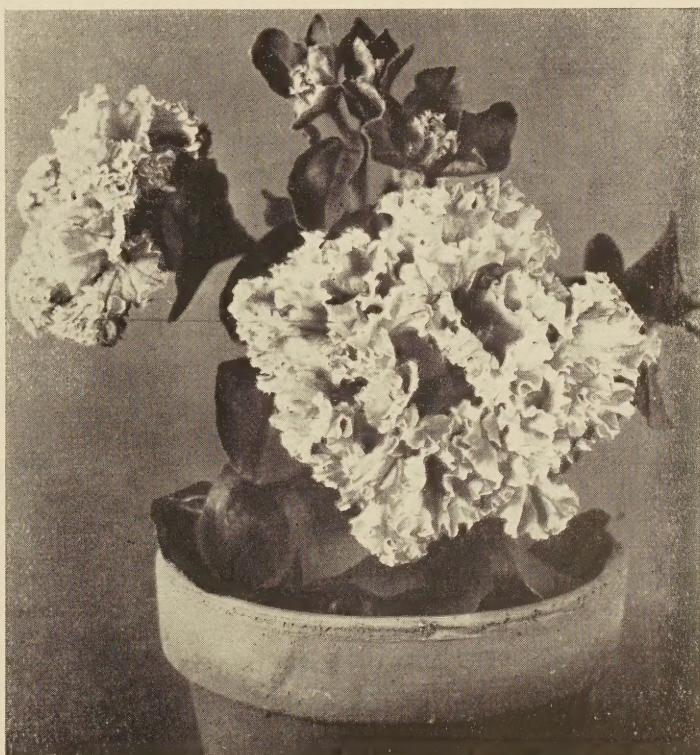
Giant Victorious, White Swan

Probably the largest white in All Double Petunias. It measures fully $4\frac{1}{2}$ inches across in its full double, well fringed form. Nearly all double flowered.

Giant Victorious

Salmon Shades

Color shows some variation in their salmon rose shade. Some flower found to be just as brilliant as our Sunset Giant. They are extra large flowered in their full double, well fringed form. Recommended for the substance as well as for their beautiful color.



Salmon Shades

Giant Victorious, Striped

Mostly rose and white variegated, some pink or rose. Very large (5 inches) in size, fully doubled and fringed. Nearly all large flowered.

Giant Victorious, Giant Orchid Beauty

Large 4½ inch full double well fringed flower in remarkable uniform silvery blue color with darker veins. Almost identical to the Victorious Orchid Beauty but larger in size. Somewhat taller in growth.

PREVIOUS VICTORIOUS STRAINS

Victorious All Double Petunias

Our Victorious Petunias are not large in flower size, but being dwarf and compact in growth it has its place as pot plant and for outdoor. It's greatest defect, however, was its somewhat high percentage of small flowering doubles. It usually did run from 20% to 50%. We have studied it carefully and found the way to avoid it. Many of our 1955 supply of Victorious are all or nearly all large-flowered doubles. Other qualities remain unchanged. We put asteroides marks showing such improved strains which have less small flowering doubles.

Victorious, Formula Mixed Colors

Since we have developed nearly all large flowering all doubles, our mixed colors have greatly bettered. It may not be 100% large flowered but the percentage of small doubles are remarkably lessened. Moreover the blend of color will be greatly improved.

*** Victorious, Attraction Reselected**

All plants are remarkably uniform in habit. Color is rich bright rose with sharp contrasting variation of purest white. This new strain is almost all large flowered.

Victorious, Gaiety

Extra dwarf and compact form, so even that every plant looks like a duplicate of the other, with large well fringed, full double flowers. The color is beautifully striped and mottled with bright rose and white. This is a very popular strain among the florist.

*** Victorious, Blue Brocade Reselected**

A good velvety violet blue color which we won Silver Medal in All America Selections. Our new strain is almost all large flowered.

* **Victorious, Loveliness Reselected**

This is dwarf and compact, with soft clear rose-pink flowers of good doubleness. An ideal strain for pot and for bed. This has been bred out to be far much clearer pink than previous Loveliness. Also has minimum percentage of small doubles.

* **Victorious, Prima Donna Reselected**

Bright salmon orange, full double flowers are of excellent substance. Dwarf and compact growth suitable for pot. This is almost all large flowered.

* **Victorious, Pure White Reselected**

A real dwarf double pure white with good form and substance. Large full double well fringed flowers are ideal for pot culture and for bedding. This is also nearly all large flowered.

* **Victorious, Rosy Carmine Reselected**

The same popular beautiful color as previous strain, but much improved in the size of flower and growth which is even dwarfer. This has greatly improved in eliminating small doubles.

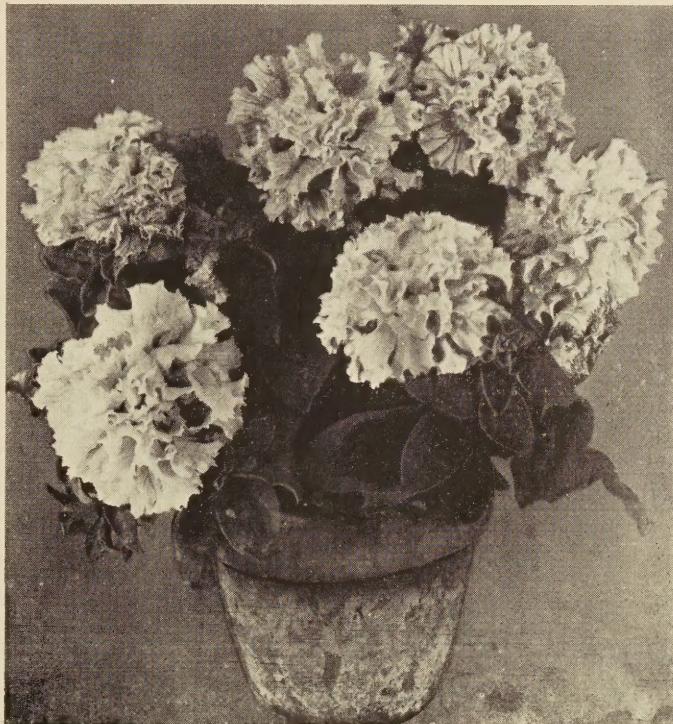
* **Victorious, Royal**

Purple (new)

Rich deep purple of definite value. This strain has almost no small flowering doubles. A new addition to our Victorious group.

* **Victorious, Orchid Beauty Reselected**

The same beautiful color of lilac lavender with veins. Our new strain is dwarfer than old one and moreover has no or only a little percentage of small doubles.



Petunia All Double Victorious Strain

TRIUMPHANT GIANT FLOWERED MIXED COLORS

So as to raise the quality of our Triumphant All Double Petunias. We have eliminated previous Colossal strains and selected the best of our previous Triumphants and Colossals thus improving both the size of flower, doubleness and color. In our new Triumphant mixed colors, you will find a great improvement over our past strain, both in substance as well as the blend of color.

PRICE SCHEDULE (All Double Petunias)

	Bulk Quantities				Originator's Packet			
	1 oz	1/4 oz	1/8 oz	1/16 oz	Price per packet containing			
				1/32 oz	1000 seeds	500 seeds	200 seeds	
<u>Giant Victorious</u>								
Formula Mixed Colors	\$ 300.00	80.00	41.50	21.25	10.75	1.55	.80	.30
Cheerful	350.00	90.00	46.50	23.75	12.25	1.80	.95	.35
Sunset Giant	350.00	90.00	46.50	23.75	12.25	1.80	.95	.35
Purple Queen	350.00	90.00	46.50	23.75	12.25	1.80	.95	.35
Darling	350.00	90.00	46.50	23.75	12.25	1.80	.95	.35
Salmon Supreme	350.00	90.00	46.50	23.75	12.25	1.80	.95	.35
Blue Monarch	350.00	90.00	46.50	23.75	12.25	1.80	.95	.35
White Swan	350.00	90.00	46.50	23.75	12.25	1.80	.95	.35
Striped	300.00	80.00	41.50	21.25	10.75	1.55	.80	.30
Giant Orchid Beauty	350.00	90.00	46.50	23.75	12.25	1.80	.95	.35
Salmon Shades	350.00	90.00	46.50	23.75	12.25	1.80	.95	.35
<u>Victorious</u>								
Formula Mixed Colors	250.00	65.00	33.50	17.50	9.25	1.20	.65	.25
Attraction Reselected	300.00	80.00	41.50	21.25	10.75	1.55	.80	.30
Blue Brocade Reselected	275.00	72.00	37.50	19.25	10.75	1.30	.70	.25
Gaiety	400.00	103.00	53.25	27.45	14.15	2.05	1.10	.40
Loveliness Reselected	275.00	72.00	37.50	19.25	10.25	1.30	.70	.25
Orchid Beauty Reselected	275.00	72.00	37.50	19.25	10.25	1.30	.70	.25
Prima Donna Reselected	275.00	72.00	37.50	19.25	10.25	1.30	.70	.25
Pure White Reselected	275.00	72.00	37.50	19.25	10.25	1.30	.70	.25
Rosy Carmine Reselected	275.00	72.00	37.50	19.25	10.25	1.30	.70	.25
Royal Purple Reselected	300.00	80.00	41.50	21.25	10.75	1.55	.80	.30
<u>Triumphant Giant-flowered mixed colors</u>	125.00	32.00	16.50	8.75	4.75	.95	.50	.20

PRICES F.O.B. YOKOHAMA-DELIVERIES BY AIR MAIL AT
NOMINAL COSTS



*Petunia F1 Hybrid Grandiflora Plain Edged
Flirt*

Flirt (F1 Hybrid)

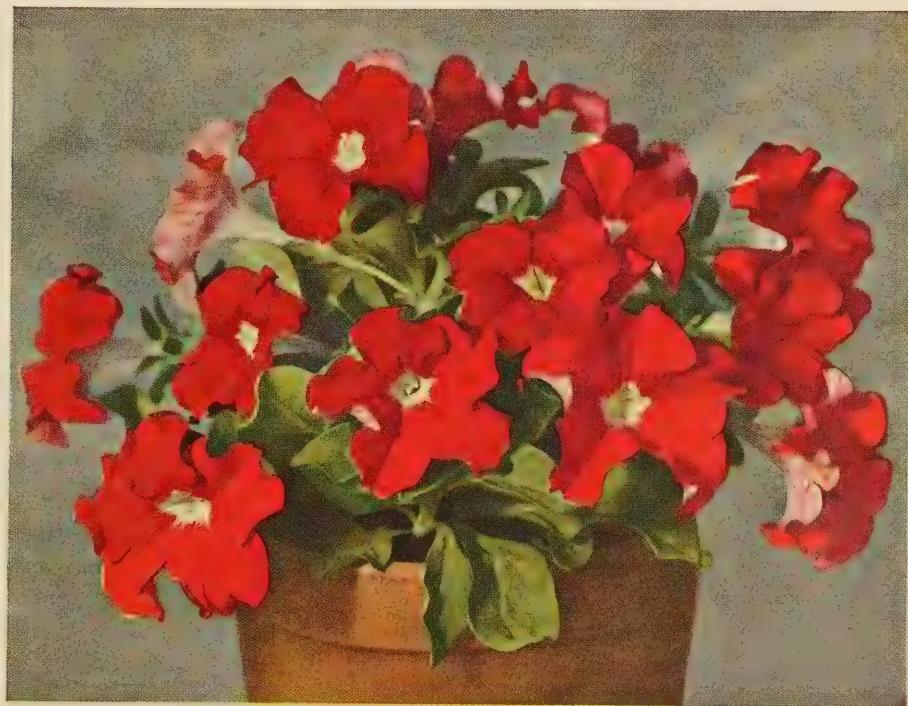
Fairly large 3" across flower of pleasing carmine rose color. Robust but dwarf compact growth not more than 8". Being marvellous both in color as well as habit this has created a great deal of popularity among our friends.

For price see page 8.

Bonfire (F1 Hybrid)

The most dazzling deep salmon scarlet with golden throat. Flowers measure 3½-3" across and born in great profusion in its dwarf (9") compact plant. We also found this to be very early flowering. Highly recommended for the dazzling brilliancy of color as well as the uniformity of growth. This is one of our most popular hybrid varieties.

For price see page 8.



*Petunia F1 Hybrid Grandiflora Plain Edged
Bonfire*

Novelties and Items of Special Merit

Here we have listed various indoor and outdoor flower seed which can be recommended.

SAKATA'S F₁ HYBRID PETUNIAS

Uniformity of growth, habit and color of flower combined with extremely vigorous growth are the main characteristics of F₁ Hybrids in Petunias. Its popularity has greatly increased recently. After making hundreds of cross pollinations, have selected a few noteworthy strains which are herein offered.

All of the F₁ Hybrid Petunias we are listing are not only uniform in color but are marvelously even in their dwarf compact growth. Moreover, such hybrids have striking vigor not generally found in straight varieties, thus they remain much longer in bed or in pot than non-hybrid sorts.

Petunia Large-Flowered Dwarf Single F₁ Hybrids

Our Large-flowering F₁ Hybrid Petunias, both fringed and non-fringed are dwarf and compact making shapely, ball-shaped growth in addition to the hybrid vigor. Photo shows how some of them look like.



Grandiflora Dwarf Bonfire (F₁ Hybrid)

Grandiflora Dwarf Fringed, Fire Gleam (Salmon Orange)

Large fringed flower measuring 3-3½" across. Height 10". Color very much like Tango but just slightly lighter, with larger flower and may be more fringed.

Per oz. \$ 75.00 1/4 oz. \$ 20.00 1/8 oz. \$ 11.00

Grandiflora Dwarf

Minstrel (Plain Edged

Blue and White) F1 Hybrid

Fairly large-flowered (3" across) with dwarf growing habit. White ground color marked rich blue. Extremely uniform both in habit and marking.

Per oz. \$ 75.00 1/4 oz. \$ 20.00
1/8 oz. \$ 11.00



Minstrel



Fairyland

Grandiflora Dwarf Fringed, Blue Mantle (New) F1 Hybrid

Dwarf large flowering rich velvety violet blue color throughout. Very uniform in its dwarf compact habit. In our trial this strain did not show any white variegation. We think this is the best large flowering violet blue Petunias ever introduced. Per oz. \$ 100.00 1/4 oz. \$ 27.00 1/8 oz. \$ 14.50

Grandiflora Dwarf, Pink Charm (Clear Pink) F1 Hybrid

Another dwarf compact growing type with clear pink color. Flowers measure full 3" across. Height is about 9". Robust and compact growth.

Per oz. \$ 75.00 1/4 oz. \$ 20.00 1/8 oz. \$ 11.00

Grandiflora Dwarf, Flirt (Carmine Rose) F1 Hybrid

See color plate.

Per oz. \$ 75.00 1/4 oz. \$ 20.00 1/8 oz. \$ 11.00

Grandiflora Dwarf, Bonfire (Salmon Scarlet) F1 Hybrid

See color plate.

Per oz. \$ 100.00 1/4 oz. \$ 27.00 1/8 oz. \$ 14.50

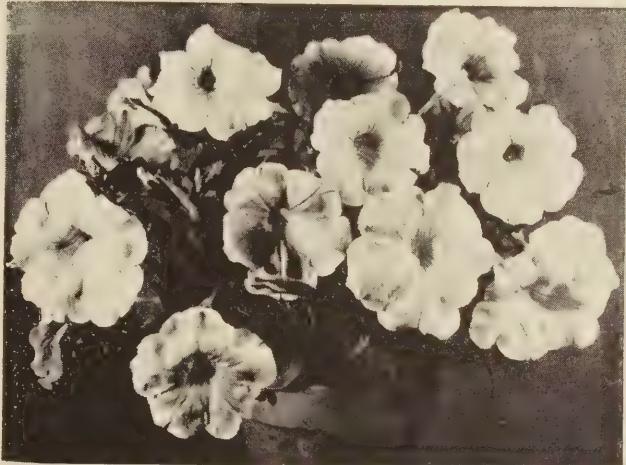
Petunia Hybrida Nana Compacta, F₁ Hybrids

These F₁ Hybrids are all dwarf nana compact type of single Petunias, but with extra uniformity of growing habit and color of flower. They are, as rule, far much vigorous than ordinary varieties and thrive nicely under adverse conditions. Our trial shows such F₁ Hybrids remain much longer in bloom than others.

Pink Beauty F₁ Hybrid

Beautiful pink in the way of "First Lady," richer in color and darker toward center. White throated. Quite large flowers 2½ inches across. Dwarf and compact. Vigorous grower. Height 14 inches.

Per oz. \$ 50.00 1/4 oz. \$ 14.00
 1/8 oz. \$ 7.50



Pink Beauty

Brilliancy (Brilliant Crimson) F₁ Hybrid

Brilliant crimson red with carmine shade. Probably the brightest colored of all red Petunias. Height 10 inches. Straight and compact grower. Quite a large flower measuring 2¾ inches across. Vigorous.

Per oz. \$ 50.00 1/4 oz. \$ 14.00 1/8 oz. \$ 7.50

Pink Queen F₁ Hybrid

Extra large-flowering pink, 3 inches across, clearest pink with rounded petals. Uniform in color. 13 inches in height, straight and compact grower. Highly recommended on account of color and size of flower. Creamy throated.

Per oz. \$ 60.00 1/4 oz. \$ 16.00 1/8 oz. \$ 8.50

NEW AND FIXED VARIETIES by hand pollination

Finding that we can not get tip top grade by growing them in field have started to save seeds by hand pollination. Such seeds are always not only true to color but perfectly even in their growth. For very critical trade where quality comes first such hand pollinated seeds may be useful. Anybody who is interested in such hand pollinated seed must give us order by March 15 selecting any varieties out of the following list.

Nana Compacta Little Violet Star (sakata)

Height not more than 7" with branching compact habit. Color, very rich violet-purple ground with white star. By comparing it to Elk's Star we found a wide difference in its ground color. Size of flower measured 2" across. Very uniform in color and growth.

Per oz. \$ 20.00 1/4 oz. \$ 5.50

Nana Compacta Elk's Star Improved

Height 12" and decidedly larger flowered and trifle taller than regular Elk's Star, with uniform marking and bushy growth.

Per oz. \$ 20.00 1/4 oz. \$ 5.50

Nana Compacta Blue Gem (sakata)

Height 12" with compact growth. Color, same deep violet blue as those of Blue Bird, Alderman, but dwarfer and more floriferous. We think this is an improved strain over other varieties.

Per oz. \$ 20.00 1/4 oz. \$ 5.50

Nana Compacta Coral Red (sakata)

Very dwarf and compact, making ball shaped growth. Bright coral red color intensifying toward center. Some of our customers say this is the most beautiful Petunia they ever saw.

Per oz. \$ 20.00 1/4 oz. \$ 5.50

Nana Compacta Glow (sakata)

Per oz. \$ 15.00 1/4 oz. \$ 4.00

Nana Compacta Twinkles

Per oz. \$ 15.00 1/4 oz. \$ 4.00

Nana Compacta Bright Eye

Per oz. \$ 15.00 1/4 oz. \$ 4.00

Nana Compacta Caprice (sakata)

Extra dwarf and compact in its fancy bicolor of deep violet blue and white. Much dwarfer than Cockatoo to which somewhat resembles.

Per oz. \$ 20.00 1/4 oz. \$ 5.50

Nana Compacta Little Blue Star (sakata)

Very dwarf and compact. Beautifully starred in white on rich violet blue ground. Markings are very uniform.

Per oz. \$ 20.00 1/4 oz. \$ 5.50



F₁ Rose No. 51



Double Flowering Snapdragon

F₁ HYBRID AND DOUBLE FLOWERING ANTIRRHINUMS

F₁ Rose No. 51 (sakata)

Rich bright rose, very much similar to "Better Times" but just a bit lighter. Mid-season variety with heavy long stalks to which the beautiful flowers are profusely borne. Very easy to grow. One of the best bright roses.

Per lb. \$ 450.00 oz. \$ 45.00

Double Flowering Snapdragon (sakata)

This has been bred out mainly for forcing purpose but it was found to be equally satisfactory for outdoor, being extra early flowering. Good double flowers as shown in photo. This 100% double flowering snapdragon has caused a great deal of sensation where trials were made. Can supply both in mixed and separate colors.

Double Fl. Formula Mixed Colors

Covers crimson, rose-pink, pure white, bronzes etc. in well balanced colors.

	Per 1 oz	1/4 oz	1/8 oz	1/16 oz	1/32 oz
	\$ 100.00	27.00	14.50	8.00	4.50

Double Fl. Crimson

150.00	38.00	19.50	10.25	5.75
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Double Fl. Pure White

150.00	38.00	19.50	10.25	5.75
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Double Fl. Bronze

150.00	38.00	19.50	10.25	5.75
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BALSAM, Double Camellia-flowering

Superfine strains

We are able to supply real superior strains of Double Camellia-flowering Balsam, in mixed and separate colors.

See page 29 for price.



*Balsam Double Camellia-fl.
Superfine Strain*

CALCEOLARIA, F₁ Hybrid T. S. Superfine

Dwarf Mixed Colors (sakata)



*T. S. Superfine Dwarf
Mixed Colors (F₁ Hybrid)*

Resembles to Rugosa in habit but with much larger flowers. Also bright colored in beautiful mixture of scarlet, crimson, spotted yellow, orange and many intermediate shades. Height 8-10 inches with compact growing habit. Shows marked hybrid vigor and can be planted outdoors in border or bed after danger of frost is gone. Recommended both for pot and for outdoor decoration.

Per oz. \$ 130.00 1/4 oz. \$ 35.00

1/8 oz. \$ 19.00

F₁ Hybrid CALCEOLARIA, Crimson Shade (sakata)

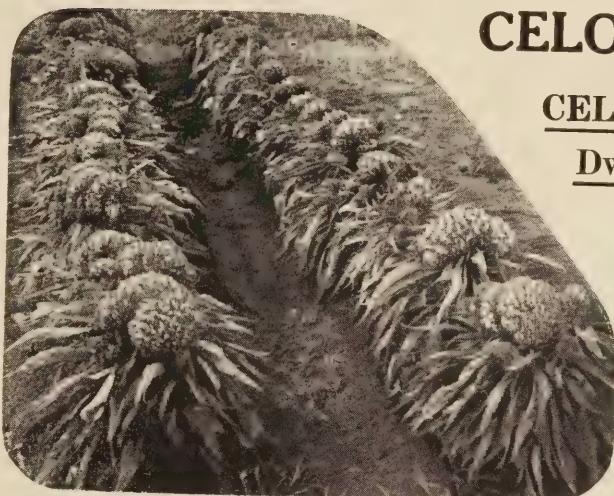
Very vigorous grower in height of 12-14". Fairly dwarf and compact in its uniform growing habit. Extra floriferous with good sized flower. About 40% show crimson scarlet, rest more of scarlet shade.

Per oz. \$ 100.00 1/4 oz. \$ 27.00 1/8 oz. \$ 14.50

F₁ Hybrid CALCEOLARIA, Golden Yellow with spots (sakata)

Also vigorous yet dwarf grower of about 12". Extra floriferous in its rather flattened growth. Medium sized bright golden yellow spotted flowers.

Per oz. \$ 100.00 1/4 oz. \$ 27.00 1/8 oz. \$ 14.50



Celosia Cristata Nana Dwarf Fire Brand

CELOSIA

CELOSIA, Cristata Nana

Dwarf Fire Brand (sakata)

Uniformly dwarf with large scarlet crimson comb. also marvelously uniform in its dwarf growing habit.

Per lb. \$ 20.00 oz. \$ 2.00

CELOSIA, Cristata

Semi-Dwarf Red

and Gold (new)

15" with large comb. Golden yellow striped bright crimson. A unique but fascinating color.

Per lb. \$ 30.00 oz. \$ 3.00

CELOSIA, Cristata

Nana Dwarf Kardinal

Not more than 8" in height with very large brilliant shiny cardinal red colored comb. We found this to be exceptionally beautiful.

Per lb. \$ 20.00 oz. \$ 2.00



Karolina!

CELOSIA, Cristata Toreador (new)

Winner of 1955 All-America Trials. Produces large comb of rich wine red with scarlet overtone, of medium height.

Per lb. \$ 25.00 oz. \$ 2.50

CELOSIA, Plumosa Forest Fire (sakata) (Shiny Orange Scarlet)

We found this beautiful feathered Celosia to be quite outstanding in its beautiful shiny orange scarlet color. In our trial this outcompeted all of this family in quality.

Per lb. \$ 12.00 oz. \$ 1.20

CELOSIA, Plumosa Brillancy (sakata) (Shiny Crimson)

Shiny crimson shaded scarlet. Another beautiful feathered Celosia of great merit.

Per lb. \$ 12.00 oz. \$ 1.20

CELOSIA, Plumosa Golden Plume (sakata) (Shiny Golden Yellow)

Shiny golden yellow strain of high quality.

Per lb. \$ 12.00 oz. \$ 1.20



Crimson Bonnet

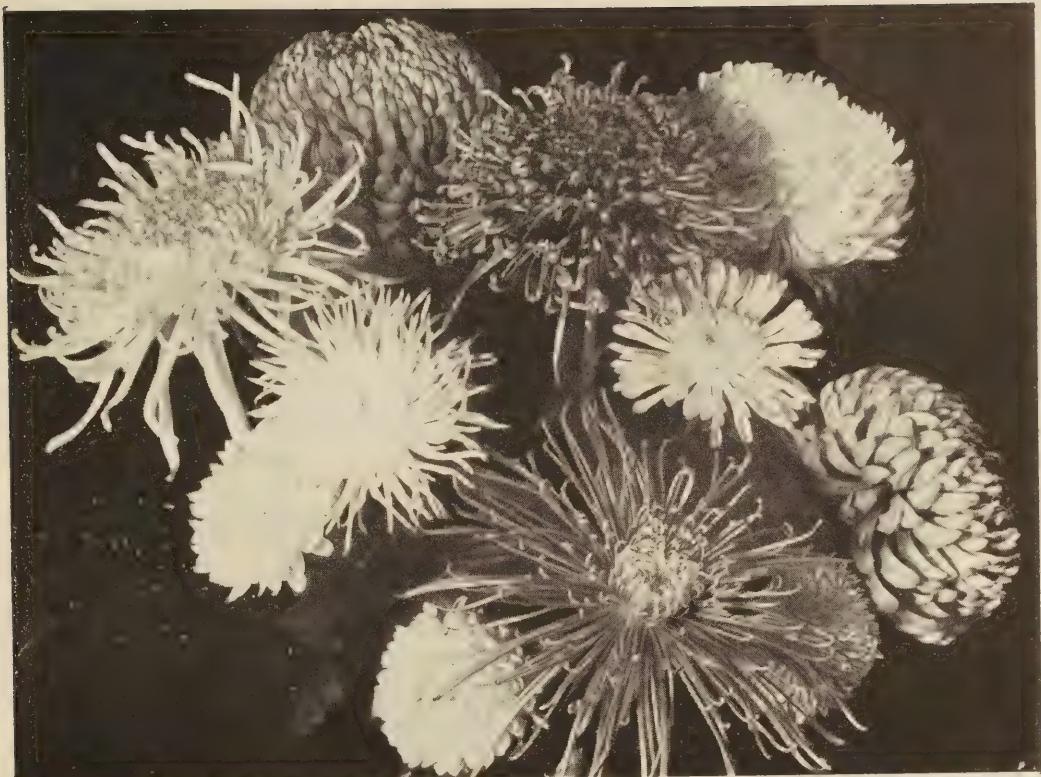


Brillancy

CELOSIA, Cristata Semi-tall Crimson Bonnet (new, sakata)

Brilliant crimson large comb in uniform height of 18-20". As shown in the photo above the top comb where ordinarily seeds are borne, is fully covered by innumerable same brilliant colored miniature combs which make the entire flower a mass of bouquet. It keeps a long time in vase. Valuable for both outdoor and cut flower.

Per lb. \$ 20.00 oz. \$ 2.00



Large-flowered Double Chrysanthemum

Shows all types such as Incurved, Spider, Anemone-fl. and Pompon.

Large-Flowered Double Chrysanthemum From Seed

CHRYSANTHEMUM (Japanese) Large-flowered Indoor Chrysanthemum)

We were highly pleased with our own trial to find good many seedlings bloomed to be very high quality valuable plants worthy of novelty. Many of our business friends abroad wrote us very encouraging letters after they saw our seeds in bloom. Some of them wrote us "I was thrilled" or "I was excited" when they found such high quality flowers from our seed. Most of the seedlings come true to type as we classified them.

		Per oz.
Japonicum	large Anemone-fl. mixed colors	... (Per 100 seeds \$ 0.50) 400.00
"	incurved flower, mixed colors	... (Per 100 seeds \$ 0.50) 400.00
"	medium sized pompon mixed colors	... (Per 100 seeds \$ 0.50) 400.00
"	spider type, mixed colors	... ... (Per 100 seeds \$ 0.50) 400.00
"	all sorts and colors mixed	... ... (Per 100 seeds \$ 0.35) 280.00

NEW CHRISTMAS CHERRY

Larger than ordinary Christmas Cherry both in growth and in berry which is about the size of cherry fruits with brilliant crimson red color, round in shape. The name of Christmas Cherry is more suitable for this variety. Recommended for pot and for cut. Berries ripen in October when planted in Spring.

Per lb. \$ 25.00 oz. \$ 2.50



New Christmas Cherry

COLEUS



Coleus Large Leaved



Coleus Rainbow

COLEUS, Rainbow Formula Mixture

We are growing them under separate colors so are making special high quality formula mixture for critical trade. Can also supply separate colors such as red shade, creamy white edged green, gold edged green, striped leaved, amaranth red shades.

Formula mixed colors	Per lb. \$ 40.00	oz. \$ 4.00
Separate colors	—	" 15.00

COLEUS, Large Fancy Leaved Formula Mixture

Only large leaved fancy sorts in splendid and wide range of colors. We make mixture on definite formula. We also grow them under the following straight varieties, red shade dark edged, copper red, soft green with gold dust, scarlet shade. If separate colors desired kindly write.

Formula mixed colors	Per lb. \$ 50.00	oz. \$ 5.00
Separate colors	—	" 20.00

COSMOS, Orange Flare Tetra (sakata)

Much larger flowered than ordinary strain. Also quite an early flowering.

Per lb. \$ 10.00 oz. \$ 1.00

COSMOS, Orange Ruffles Tetra (sakata)

Like single Tetra, this has very large flowers. Being duplexed it looks much showy than single.

Per lb. \$ 25.00 oz. \$ 2.50

MORNING GLORY

New Climbing Scarlett O'Hara (sakata)

Exactly same flower to the origin: the same bright color, size and the dayblooming habit. The only difference is its climbing habit as it climbs like common Morning Glory from the start. This new climbing strain will increase the popularity of the Morning Glory.

Per lb. \$ 3.00 oz. \$ 0.30

Japanese Imperial Super Giant Strains

Most flower lovers who visited Japan were astonished to see gigantic Morning Glory mostly grown in pots. 8 inches across is not uncommon, in varied colors such as brilliant red, rose, pink, white, purple, light blue and innumerable intermediate colors. Commonly, they are grown outdoors in 6 inch or larger pots mostly pinched and shaped into bushy form. When they bloom, they bring them indoors to admire and the gigantic flower will last well into 2 to 3 o'clock in the afternoon. After that they are to be carried outdoors. Our breed will prove to be the most gigantic flowers in extensive color assortment. They can be grown outdoors as in ordinary Morning Glories although the largest flowers can be seen in pot culture.



Morning Glory Japanese Imperial Super Giant

Mixed Colors Per lb. \$ 10.00 oz. \$ 1.00

**Separate Colors in pink, crimson white margined, rose pink,
amaranth-red, rich purple violet, sky blue, pure white, chocolate.**

Per lb. \$ 12.00 oz. \$ 1.20

PHLOX, Globe Mixed Colors (Award of Merit A. A. S.)

Extra dwarf globe shaped new Phlox of great merit. This new strain has been found by us many years ago and ever since we bred them to add color and fertility. We underwent years of breeding in our breeding farm in the hope of sending it to the All-America Selections. However, the war stopped our doing so. They cover mostly such colors as red, rose, pink, white and many intermediate shades.

Per lb. \$ 20.00 oz. \$ 2.00

Double Extra Large-flowering PORTULACAS

After years of painstaking breeding, we bred out our double Portulacas to be tip top quality. They are enormous in size and highly doubled up to 95%. In our trial we found our selected strain outcompeted all others. As we bring the quality up the seed production declines sharply. we had to raise our prices accordingly.

Mixed	Per lb. \$ 16.00	oz. \$ 1.60
In color	Per lb. \$ 25.00	oz. \$ 2.50

VEGETABLE SEEDS

1955 Crop Contract Prices

Prices for net weights, f. o. b., Yokohama. packing extra at cost

We are also able to supply extensive varieties of Japanese and Chinese Vegetables not appearing in this list. Enquiries invited.

All prices subject to change

For large quantities please write for special quotations

CELERY CABBAGE (*Pe-tsai*)

Per lb

Improved Peking or Chihili	\$ 0.30
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Makes torpedo shaped head, long and pointed at the top. The head is crisp and of fine flavor. While the yield is not very heavy, it is easily cultivated and matures very early. Very popular in the United States.

Chokuei	0.35
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This is a straight leaf or open heading type, tall growing and can be compared to Cos Lettuce in appearance. Very easy of cultivation and a heavy cropper. This is the variety which is often called Pe-tsai.

Market Pride	0.35
-------------------------	---	------

Early and easy of culture, but produces head much more tender than other types. Not very large, but measures 8 inches in diameter and 14 inches in height. Light green in color. Its earliness and easy cultivation made this one of the most popular Pe-tsai now under cultivation. Although late summer or early autumn sowing is best, this variety may also be well adopted for spring sowing.

Paoting	0.35
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An improved type of Wong Bok which forms a large solid head of very fine quality, often weigh 15 pounds. Stands long before bolting to seed. One of the best market varieties.

Shantung	0.35
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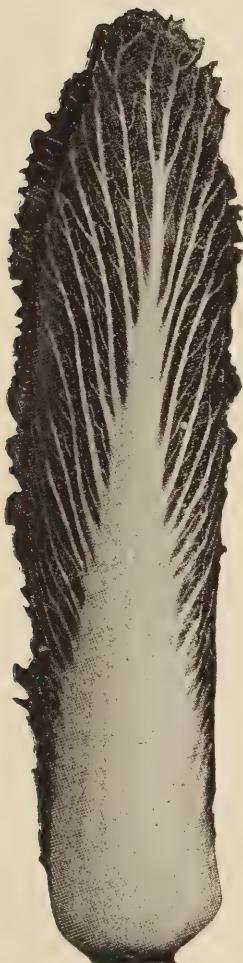
A variety of Pe-tsai which is easy of culture, forming a large long head with light green leaves and pure white heart.

Spring Giant	0.35
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If the spring is long, it can be grown for summer use. Seed sown in late March will make a head of about 6-7 lbs. in June. Also can be sown in summer as ordinary Pe-tsai cabbage, then they make large solid head.

Che-foo	0.35
--------------------	---	------

This is one of the largest Pe-tsai, easily measuring 9 inches in diameter and 14 inches in height. The head is very solid and of excellent texture. The most prolific variety and a very popular market type.



*Celery Cabbage
Improved Peking
or Chihili*

CELERY CABBAGE, *Continued*

Per lb

Wong Bok ...

The most popular variety of Pe-tsai forming a large firm head. A good market variety.

Kashin ...

Loose-headed variety with white centers.

Heavy yielder with white tender center leaves which supplies a good salad.



CHOPSY GREEN (*Shungiku*)

Chopsuy Green or Shungiku ...

This is one of the most important oriental greens belonging to the Chrysanthemum family. Highly valued because of its aromatic flavor. It is harvested when plant is 4-5 inches high and is cooked like Spinach. Very easy of culture.

CUCUMBER

Green Giant ...

A very hardy disease resistant variety. The fruit is dark green, slender, 8-10 inches long, 1½ inch in diameter, with a few brown spines. Very prolific.

Japanese Green Climbing ...

An early and prolific variety. The fruits are borne on almost every axil, pale green and comparatively smooth skinned.

Suyo ...

Dark green, long hardy and resistant to diseases. Flesh crisp. Skin somewhat irregular.

Extra Long (Yamato) ...

Green, comparatively smooth and very long, often reaches 2 feet.

EGG PLANT *F₁* Hybrid (*See Page 24*)

Early Purple ...

Very prolific variety, fruits are medium sized among Japanese varieties, rather elongated, measuring 4 inches in length. Color dark shiny blackish purple.

Long Purple ...

A prolific long fruited variety. Fruits are 6 to 8 inches long and not exceeding 1 to 1½ inches in diameter. Deep purple.

GOURD (*Edib!e*)

Round Butter Vine Gourd ...

Very large fruited and greenish skinned. Keeps very long and can be preserved for winter use. Flesh is whitish and has no special taste, but is valuable for stew, soup, and for other cooking purpose. Especially good when cooked while fruits are young.

Long Butter Vine Gourd ...

Long shaped fruit of the above type.

JAPANESE MELON OR CANTALOUE

Per lb

Early White Pear (white fleshed) \$ 6.00
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Large egg shaped Japanese melon or a cantaloupe, measuring about 6 inches in length and 4 inches in diameter. Skin yellow and smooth, flesh white. Juicy and very hardy and prolific.

Early Golden Pear , large 6.00
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Early Golden Pear , small 6.00
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JAPANESE PARSLEY

Japanese Parsley, Mituba 1.50
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This is a perennial plant which throws up long tender leaf stalks with three heart-shaped leaves at the ends. Has special flavor and is excellent for salad and soup. Will produce more tender, sweeter and long white stalks when bleached like celery.

MUSTARD

Japanese White Celery Mustard 0.35
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Mustard Spinach

Delicion 0.60
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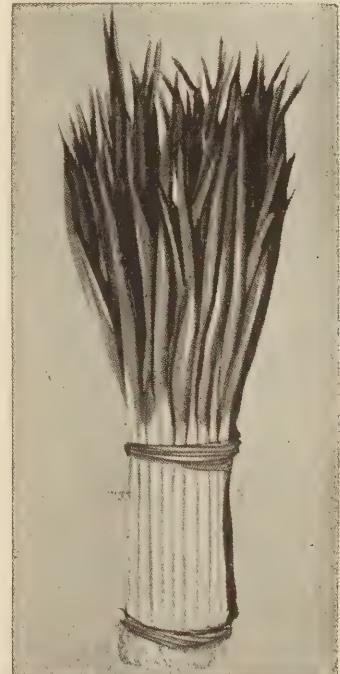
With distinct mustard flavor. Dark green abundant leaves which is quite distinct to other mustards. Delicious to eat, either raw or cooked.

Chinese Large Leaved Mustard 2.50
---	----------

ONION

Sakata's Evergreen Hardy Long White Bunching 1.20
---	----------

Now a standard vegetable and one of the most important introductions in recent years. It is hardy almost everywhere in the States. Can be planted in spring and fall. We are told that the trials in the New England States by a public experiment station showed Evergreen Bunching Onion tubes are completely resistant to thrips.



Sakata's Bunching Onion

RADISH

	Per lb
All seasons (Tokinashi)	\$ 0.45

The most useful variety for all season culture, especially adopted for summer culture. Roots are white, and flesh brittle and firm measuring about 1 foot long and 2 inches in diameter. Pure white.

Mino Early	0.45
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An early maturing long variety, measuring about 2 ft. long and 3 inches in diameter. Pure white.

Miyashige Long

Very fine variety which grows about 15 inches long and 3 inches in diameter, color white, but greenish at the neck. Flesh is tender, brittle and sweet.

Stump-rooted	0.40
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Pointed-rooted	0.40
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White Neck, white all way through	0.40
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Nerima Long

Important market variety. Very long, narrow at the neck measuring well over 2 ft. in length and 2 inches in diameter. Flesh is snow white, brittle, and a good keeper.

Stump-rooted	0.40
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Pointed-rooted	0.40
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Nerima Giant

Improved 0.40

A fine variety suitable for late sowing. In mild climate if can be kept until spring in the field if well earthed up. Shape something like that of White Icicle, but decidedly larger, measuring about one and a half foot long, weighing nearly 8 pounds when well grown.



Shogoin Round Giant

Sakurajima

Mammoth 0.60

The most gigantic Radish now in cultivation. A late maturer, but grows to an immense size, often weigh over 50 lbs. Very good for cooking and also for feeding cattle.

Shogoin Round Giant...

Turnip shaped, large and globular and very prolific. Roots weighing 4-5 pounds. Excellent for cooking.

Summer Radish

Best variety for summer culture, about 2 ft. long and 3 inches in diameter. Conical shaped. When sown in early spring, they can be harvested in late summer or early autumn. Pure white.

SQUASH								Per lb
Species Hybrid, Wonder Squash	...	...	...	...	...	...	...	\$ 10.00
Aizu Early	...	...	...	...	...	...	...	2.50
	Extra early, small-fruited, green and white when young. Very sweet.							
Higata Early	...	...	...	...	...	...	...	2.50
	Very early. In warm climate fruits are harvested already in May. Green skinned.							
White Kikuza	...	...	...	...	...	...	...	2.50
	White-skinned, good quality.							

SWISS CHARD

Japanese Swiss Chard	...	...	...	...	...	...	...	0.50
An early strain resembling the English variety with abundant oval shaped leaves. 4 inches wide and one foot long. Used just like ordinary Swiss Chard.								

SMALL-FRUITED TOMATOES

Golden Husk (Strawberry)	2.75
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SAKATA'S FOLIAGE TURNIP

Sakata's Foliage Turnip (Improved Shogoin)	0.25
Introduced by us years ago and now found to be one of the established vegetables. We can still supply the highest quality.								

Tennoji	...	...	...	...	...	...	...	0.25
Roots are just as large Shogoin, but more flattened with smooth white skin.								

Yorii, Early Flat Spring Turnip	...	...	...	...	...	...	...	0.25
A very fine Turnip good for both autumn and spring sowing. Roots are rather flattened, about 4 inches in diameter and 2 inches in depth, pure white and with smooth silky skin. Tops are also very good. Becoming popular every year.								

Crimson Globe	...	...	...	...	...	...	...	0.45
Roots round measuring about four inches in diameter and of beautiful crimson color. Leaves also are of dark crimson color. Has special fine flavor.								

Tokyo Market	...	...	...	...	...	...	...	0.45
A small but excellent Turnip largely grown for the market around Tokyo. The roots are pure white, measure about 1½ inches in diameter and 1 inch in depth, but when fully grown they reach 3 inches or over in diameter. The flesh is solid, but tender and very sweet when cooked. One of the most popular varieties in the States. We can supply excellent quality.								

VEGETABLE SPAGHETTI

Vegetable Spaghetti	...	...	...	...	...	...	...	2.00
Introduced by us and found to be very popular on account of it's interesting quality. Boil matured fruits for about 20 minutes and you will find whole inside comes off just like spaghetti which can be eaten like a salad.								

F1 HYBRID VEGETABLE SEEDS AND SEEDLESS WATERMELON, ETC.



Hybridizing Egg Plant

We can produce F1 Hybrid seeds at attractive prices and if parents seeds are furnished by you, can assure you of the privacy of your stock seed as well as the accuracy of hand pollination: 38 years of reputation is in back of our business. Please entrust us with your 1954 requirements.

Contract growing prices for 1955 Crop F1 Hybrid Vegetable Seeds to be grown out of your

parent stock seeds which must reach us by early spring, 1955:

	<u>Prices when parent stock seeds are furnished by the buyers</u>				<u>Price Per Lb., FOB, Yokohama</u>
TOMATO	F1 Hybrid, hand pollinated				\$ 45.00
PEPPER	"	"	"	"	45.00
WATERMELON	"	"	"	"	15.00
EGGPLANT	"	"	"	"	40.00
SQUASH	"	"	"	"	15.00
MUSK MELON	"	"	"	"	35.00

F1 Hybrid Vegetable Seeds of Our Own

We invite inquiries on F1 Hybrid Vegetable seeds. Also apply prices to Herbst Brothers for quick reply.

Japanese F1 Hybrid Egg Plant

The character of native Egg Plants is mostly in the size of fruit. They are generally very small comparing European varieties but are very early maturer and highly disease-resistant. When they are picked in young stage, they taste just like ordinary Egg plant. Who are not used to such small fruits are liable to leave them too long in the field resulting to spoil the taste altogether.

F1 Hybrid No. 1 \$ 30.00 Per lb.

Extra early, velvety black, oblong, small fruited. Vigorous and prolific.

F1 Hybrid No. 2 \$ 30.00 Per lb.

Longer than No. 1 Hybrid, equally early, vigorous and prolific.

Red Skinned F1 Hybrid Tomato

Knowing U.S. market is interested mostly in bright red colored Tomatoes, we have studied many popular U.S. varieties. As a result, have selected several thoroughbred strains suitable for such hybrid use. One must use such selected strains to produce well fixed F1 Hybrid. We have real fine strains in Rutgers, Long Red, Valiant, Spark's and common Earliana and Pritchard. All of them can be safely used to produce excellent F1 Hybrids. The followings are some of our own F1 Hybrids.

Red F1 Hybrid No. 21

Medium early, large fruited ($\frac{1}{2}$ lb. or over) rounded fruit. Very meaty with less seeds. Bright scarlet heavy yielder.

\$ 50.00 Per lb.

R d F1 Hybrid No. 22

Earlier than No. 21 but smaller and somewhat flattened fruits ($\frac{1}{2}$ lb. or less). Also vigorous grower of slightly taller habit than No. 21. Heavy cropper of bright scarlet skin.

\$ 50.00 Per lb.

Pink Skinned F1 Hybrid Tomato

Pink F1 Hybrid No. 1

Ponderosa pink, round, slightly flattened. Weigh about $\frac{1}{4}$ pound. Highly disease-resistant, abundant bearer.

\$ 40.00 Per lb.

Pink F1 Hybrid No. 2

Same shaply pink, larger fruited than No. 1 and early maturer. Also highly disease-resistant productive strain. Weigh about $\frac{1}{3}$ lb.

\$ 40.00 Per lb.

Pink F1 Hybrid No. 3

Medium fruited ($\frac{1}{4}$ lb) pink, round shaped, disease resistant variety. Good cropper.

\$ 40.00 Per lb.

Pink F1 Hybrid No. 4

Large fruited pink of Ponderosa type. But far better shaped and heavier cropper. Each fruit weighs about $\frac{3}{4}$ lb.

\$ 40.00 Per lb.

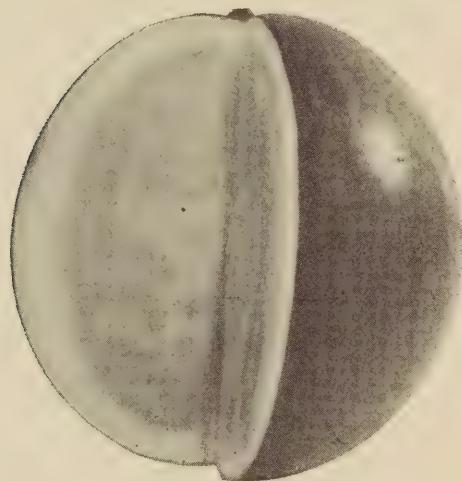
TETRA F₁ HYBRID WATERMELON No. 1

F₁ Hybrid between two tetraploid parents in ice box size, weighing about 7-8 lbs. Round, thin, but rather tough rinded which is light green striped darker green. The flesh is bright rose and is extremely sweet (13% sugar content) and has fine texture. It has only a few seed, not more than 30-50 per fruit.

Very early maturing which enables them to grow even in the Northern States. The important advantage of this new melon is the high resistance against all kinds of diseases, especially against anthracnose.

\$ 100.00 per lb. (about 8,000 seeds to a lb.)

The Seedless Watermelon



*Seedless Watermelon No. 4
Straight Green*

The fruit of real good Seedless Watermelon has only a trace of seed just like those of young cucumbers. Anybody can eat whole inside without feeling any seed. We also found out that when one gets used to eating Seedless Watermelon he does not feel like eating ordinary Seedy Watermelon.

Inferior strain of Seedless Watermelon has too distinct seed coat, often colored. Such cannot be called



*Seedless Watermelon No. 13
Green Striped*

seedless though the seed has no inside.

We have done extensive breeding so as to produce only high quality strains, which have the most undeveloped seed coat, combined with high grade eating quality.

Another advantage of Seedless Watermelon (Triploid Watermelon) is its high disease resistant, vigorous growing habit commonly noticed in F₁ Hybrid strains. Seedless Watermelon is actually an F₁ Hybrid. A hybrid between Tetraploid and Diploid. On going over our trial ground we found out the most resistant vine is the Tetraploid, then Triploid (Seedless Vine), ordinary diploid (Common Watermelon) vine runs out first. It is so conspicuous that anybody who

THE SEEDLESS WATERMELON (*Continued*)

inspected the trial field was astonished. It is a known fact the seedless plants withstand against common fungi which attacks them such as Fusarium, Anthracnose-etc. It is also proved that the crop of Seedless Watermelon is generally 30% to 50% heavier than the parents or ordinary seedy one. It is also noted that the rind of Seedless strains is tougher than ordinary types of same thickness, thus increasing the shipping quality.

The sugar content or sweetness is higher than ordinary Watermelon. After careful researches it was proved that the sugar content is the highest in Tetraploid, then Triploid (Seedless) and then Diploid or ordinary Watermelon. This is for the same variety.

The drawbacks of the Seedless, is, first, its requirement of high temperature to germinate the seed, 80 degrees Fahrenheit is its optimum temperature, second, slow growth in the start, though once starts growing it grows rapidly and vigorously, third, its requirement of pollen-plant in the quantity of about 10% to 20%. Seedless strain does not bear fruits by itself. However, if such Seedless Watermelon vines are planted near ordinary Watermelon field, then no special Pollen plants are necessary. The bees will carry pollen from other fields. The first fruits generally show slightly noticeable seed coats than the following fruits.

We are offering only the best two strains which we selected out of our extensive trials which extended over several dozen varieties:

Seedless Watermelon No. 4

(Straight Green, Not Striped)

10-15 lbs., round, flesh deep rose red. Very sweet, rind thin 3/4 inch.
Vigorous grower.

\$ 80.00 per lb. (8.000/9.000 seeds to a lb.)

Seedless Watermelon No. 13

(Green Striped)

12-15 lbs., round, flesh deep rose, very sweet, rind thin 3/4 inch.
Vigorous grower.

\$ 80.00 per lb. (8.000/9.000 seeds to a lb.)



A partial view of our Breeding Farm

FLOWER SEEDS

(*Novelties & Specialities pages 7 to 18*)

NOTICE

For any items in this catalog, 4 ozs. or over the pound rate is allowed

ACROCLINIUM

														Per oz	Per lb
double mixed colors...	...	...	...	...	...	...	...	...	...	...	...	...	...	.25	2.50

AGROSTEMMA

coronaria (Rose Champion) red ...	...	...	...	...	...	...	...	...	...	...	...	...	...	.10	.70
" " mixed colors ...	...	...	...	...	...	...	...	...	...	...	...	...	...	.10	.70

AMARANTHUS

choice sorts mixed, mixture of fancy leaved amaranthus ...	.10	1.00
caudatus (Love-Lies-Bleeding) ...	.05	.40
caudatus, Crimson Pygmy, very dwarf ...	.20	2.00
Molten Fire, leaves dark bronze, center Poinsettia red, extra ...	.30	3.00
salicifolius (Willow-Leaved Amaranthus) ...	.30	3.00
Tricolor Splendens25	2.50

AMPELOPSIS

Veitchi, (Boston Ivy) clean seed15	1.50
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Amaranthus Molten Fire

ANCHUSA

capensis, Blue Bird, vivid indigo blue20	2.00
" Sky Blue ...	...	...	...	...	...	...	...	...	...	...	...	...	...	.20	2.00
italica Dropmore, perennial Anchusa ...	...	...	...	...	...	...	...	...	...	...	...	...	...	.25	2.50

F1 HYBRID AND DOUBLE FLOWERING ANTIRRHINUMS

Rose No. 51 (See page 11)

...	45.00	450.00
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ANTIRRHINUMS (*Continued*)

DOUBLE FLOWERING ANTIRRHINUMS (See page 11)

	<i>Per oz.</i>	<i>1/4 oz.</i>	<i>1/8 oz.</i>	<i>1/16 oz.</i>	<i>1/32 oz.</i>
Formula mixed colors	... \$ 100.00	27.00	14.50	8.00	4.50
Crimson	... 150.00	38.00	19.50	10.25	5.75
Pure White	... 150.00	38.00	19.50	10.25	5.75
Bronze	... 150.00	38.00	19.50	10.25	5.75

AQUILEGIA

long spurred mixed colors, selected quality	...	...	...	...	...	1.20	12.00
double-fl. mixed colors	...	...	...	...	...	.20	2.00

ASTER

tall double-fl. mixed colors	...	...	...	...	...	...	.25	2.50
tall single & double mixed colors	...	...	...	...	...	...	.15	1.50
Queen of the Market mixed colors	...	...	...	...	...	...	.30	3.00
Giants of California mixed colors	...	...	...	...	...	...	.50	5.00
Giant Comet mixed colors	...	...	...	...	...	...	.40	4.00
branching mixed colors	...	...	...	...	...	...	.30	3.00
Peony-fl. finest mixed colors	...	...	...	...	...	...	.50	5.00
Crego Giant (Ostrich Feather) mixed colors	...	...	...	...	...	...	.35	3.50
" " Blue Flame	...	...	...	...	...	...	.40	4.00
" " lavender	...	...	...	...	...	...	.40	4.00
" " crimson	...	...	...	...	...	...	.40	4.00
" " peachblossom	...	...	...	...	...	...	.40	4.00
" " rose-pink	...	...	...	...	...	...	.40	4.00
" " shell pink	...	...	...	...	...	...	.40	4.00
" " white...	...	...	...	...	...	...	.40	4.00
pompon finest mixed colors	...	...	...	...	...	...	.60	6.00
Imbricated Pompon scarlet	...	...	...	...	...	...	.50	5.00
Princess finest mixed colors	...	...	...	...	...	...	.70	7.00

BALLOON VINE (*Cardiospermum halicacabum*)

...15 1.20

BALSAM (See Page 12)

single & double mixed colors	...	...	...	...	...	...	.10	.90
double-flowered finest mixed colors	...	...	...	...	...	...	.20	2.00
true double Camellia-fl., finest mixed colors, extra selected	...	...	...	...	...	...	.30	3.00
" " " rose pink, extra selected	...	...	...	...	...	...	.35	3.50
" " " purple violet, extra selected	...	...	...	...	...	...	.35	3.50
" " " scarlet, extra selected	...	...	...	...	...	...	.35	3.50
" " " scarlet spotted white, extra selected	...	...	...	...	...	...	.35	3.50
" " " pure white, extra selected	...	...	...	...	...	...	.35	3.50
bush growing dwarf, mixed colors, extra selected	...	...	...	...	...	...	.40	4.00
" " " rose, extra selected	...	...	...	...	...	...	.45	4.50
" " " scarlet or carmine, extra selected	...	...	...	...	...	...	.45	4.50
" " " white reflected rose, extra selected	...	...	...	...	...	...	.45	4.50
" " " pure white	...	...	...	...	...	...	.45	4.50

BEGONIA

							<i>Per $\frac{1}{4}$ oz.</i>	<i>Per oz.</i>
Evansiana , 2 ft., one of the hardiest Begonias	...	...	...	...	...	...	\$ 9.00	\$ 35.00 —
gracilis Snow Bank , clear white	...	...	...	...	...	...	6.00	20.00 —
" Deep Rose ...	...	...	...	...	...	...	6.00	20.00 —
" Ball Red	...	...	...	...	...	...	6.00	20.00 —

BELLIS PERENNIS

							<i>Per lb.</i>
monstrosa large-fl. double mixed colors	...	...	...	...	...	...	10.00
" " " crimson	...	...	...	...	...	...	12.00
" " " rose	...	...	...	...	...	...	12.00
" " " white	...	...	...	...	...	...	12.00
double-fl. Longfellow	...	...	...	...	...	...	7.00
" Purpurea	...	...	...	...	...	...	7.00
" Snowball	...	...	...	...	...	...	7.00

BOCCONIA

					<i>Per oz.</i>	<i>Per lb</i>
					.25	2.50
cordata , a large perennial plant

BRIZA

maxima (Quaking Grass)10	1.00
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BROWALLIA

elata, mixed colors , blue and white mixed90	9.00
" blue	1.00	10.00
" white	1.00	10.00
speciosa, major	...	...	...	...	...	...	7.00	

CACALIA (Tassel Flower)

sonchifolia, mixed colors ...	...	...	...	...	...	...	.70	7.00
" aurantiaca , orange yellow	...	...	...	...	...	...	.80	8.00
" coccinea , scarlet	...	...	...	...	...	...	.80	8.00

CALCEOLARIA (See page 12)

Triumph finest mixed colors, finest mixture of extensive colors

Per $\frac{1}{4}$ oz \$ 7.00 Per $\frac{1}{2}$ oz \$ 13.00 Per oz \$ 50.00

			<i>Per oz.</i>	<i>1/4 oz.</i>	<i>1/8 oz.</i>
F1 Hybrid T. S. Superfine Dwarf mixed colors (sakata)	...	...	\$ 130.00	35.00	19.00
" Crimson Shade (sakata)	...	...	100.00	27.00	14.50
" Golden Yellow with spots (sakata)	...	...	100.00	27.00	14.50

CALLIOPSIS (Coreopsis)

annual tall mixed colors ...	...	...	...	...	...	...	.10	1.00
" Golden Wave	...	...	...	...	...	...	.10	1.00
Drummondii ...	...	...	...	...	...	...	.10	1.10
" Golden Crest	...	...	...	...	...	...	.10	1.00
tinctoria tall mixed colors ...	...	...	...	...	...	...	.10	1.00
" double-flowering mixed colors	...	...	...	...	...	...	.10	1.00
" nana dwarf mixed colors , extra dwarf quality	...	...	...	...	...	...	.15	1.50
lanceolata grandiflora, Mayfield Giants (Coreopsis) ...	...	...	...	...	...	...	.15	1.75
" " " double Sunburst ( " )	...	...	...	...	...	...	.15	1.50

C E L O S I A



Celosia Pyramidalis Plumosa Nana
Dwarf Fiery Feather

CENTAUREA

			Per oz.	Per lb.
Cyanus double-fl.	mixed colors	...	.15	1.50
americana (Basket Flower)	mixed colors	...	.20	1.75
" soft-lilac	...	...	.20	2.00
" white20	2.00
macrocephala35	3.50

CERASTIUM

tomentosum (Snow in Summer)...40	4.00
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CHRYSANTHEMUM

japonicum , single-flowering mixed colors, selected	2.00	20.00
japonicum double Anemone-flowering mixed colors, high percentage of Anemone-fl.	...	...	7.50	75.00
japonicum large Anemone-fl. mixed colors	...	(Per 100 seeds \$ 0.50)		
" incurved flower, mixed colors	...	(Per 100 seeds \$ 0.50)		
" medium sized pompon mixed colors	...	(Per 100 seeds \$ 0.50)		
" spider type, mixed colors	...	(Per 100 seeds \$ 0.50)		
" all sorts and colors mixed	...	(Per 100 seeds \$ 0.35)		
Korean Hybrid , mixed colors, very good assorted colors with large flowers	...		2.00	20.00

CLEMATIS

paniculata white40	4.00
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CLEOME (Spider Plant)

speciosa Pink Queen30	3.00
" Helen Campbell, glistening pure white30	3.00

COLEUS (Flame Netted)

hybridus large-leaved mixed colors	...	...	2.50	25.00
" " "	Extra selected formula mixed	(See page 16)	5.00	50.00
" " "	seperate colors	(See page 16)	20.00	—
" Rainbow Mixture	...	...	2.00	20.00
" Superfine Rainbow Mixture	4.00	40.00
" " "	seperate colors	(See page 16)	15.00	—

CORAL FLOWER

...25	2.50
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COSMOS

Early-fl. finest mixed colors20	2.50
Sensation , mixed colors25	2.50
" crimson25	2.75
" pink	...	...	.25	2.75
" white	...	...	.25	2.75
" Radiance, extra selected strain	...	...	.25	2.50
Late Mammoth-flowering , mixed colors	...	...	.35	3.50
Yellow Flare	...	...	.20	1.75
" Ruffles	...	...	.25	2.50
Orange Flare	...	...	.30	3.00
	...	...	.25	2.50

COSMOS (*Continued*)

													Per oz.	Per lb
Orange Ruffles	...	...	...	...	...	...	...	...	...	...	...	...	.30	3.00
Fiesta	...	...	...	...	...	...	...	...	...	...	...	...	.35	3.50
Orange Flare Tetra , large-flowered (See page 17)	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00	
" " Tetra double or Orange Ruffles Tetra , extra large-fl. (new)	...	...	...	...	...	...	...	...	...	...	...	2.50	25.00	
												(See page 17)		

CYNOGLOSSUM

amabile , blue (Chinese Forget-me-not)	...	...	...	...	...	...	...	...	...	...	...	.10	1.00
" Firmament	...	...	...	...	...	...	...	...	...	...	...	.12	1.20
linifolium , white (Snow Bird)	...	...	...	...	...	...	...	...	...	...	...	.10	1.00

DAHLIA

variabilis , single finest mixed colors	...	...	...	...	...	...	...	...	...	...	...	.20	1.75
Coltness Hybrids ; mixed colors, dwarf compact strain with various fancy colors	...	...	...	...	...	...	...	...	...	...	...	.35	3.50
Mignon dwarf mixed colors	...	...	...	...	...	...	...	...	...	...	...	.35	3.50
Unwin's Hybrid dwarf mixed colors , extra quality, good many % of semi and full doubles. Dwarf and uniform	...	...	...	...	...	...	...	...	...	...	...	.40	4.00

DIANTHUS

nipponicum , coccinea , red	...	...	...	...	...	...	...	...	...	...	...	.50	5.00
" alba , white	...	...	...	...	...	...	...	...	...	...	...	.50	5.00
deltoides , bright pink, perennial	...	...	...	...	...	...	...	...	...	...	...	1.20	12.50
Sweet Wivelsfield , single mixed colors	...	...	...	...	...	...	...	...	...	...	...	.35	3.50
" double mixed colors	...	...	...	...	...	...	...	...	...	...	...	.50	5.00
heddensis Westwood Beauty	...	...	...	...	...	...	...	...	...	...	...	.40	4.00
Allwoodii	...	...	...	...	...	...	...	...	...	...	...	1.50	15.00
sinensis , single finest mixed	...	...	...	...	...	...	...	...	...	...	...	.20	2.00
" " dwarf finest mixed	...	...	...	...	...	...	...	...	...	...	...	.50	5.00
" double finest mixed	...	...	...	...	...	...	...	...	...	...	...	.30	3.00

DIGITALIS (Foxglove)

gloxiniaeflora , mixed colors	...	...	...	...	...	...	...	...	...	...	...	.20	2.00
" The Shirley, long spiked mixed colors	...	...	...	...	...	...	...	...	...	...	...	.30	2.75

DOLICHOS (Hyacinth Bean)

mixed colors	...	...	...	...	...	...	...	...	...	...	...	.10	.90
rose purple	...	...	...	...	...	...	...	...	...	...	...	.10	.90
white	...	...	...	...	...	...	...	...	...	...	...	.10	.90

EULALIA

japonica	...	...	...	...	...	...	...	...	...	...	...	.40	4.00
" gracillima , fine leaved sport	...	...	...	...	...	...	...	...	...	...	...	1.50	15.00

EUPHORBIA

heterophylla (Fire-on-the-Mountain)	...	...	...	...	...	...	...	...	...	...	...	.60	6.00
variegata (Snow-on-the-Mountain)	...	...	...	...	...	...	...	...	...	...	...	.30	3.00
myrsinifolia , perennial creeping var.	...	...	...	...	...	...	...	...	...	...	...	2.50	25.00



Flowering Kale

FLOWERING KALE

Looks like between Kale and Cabbage. When seeds are sown in May to June, the foliage turns either colorful rose or pure white in fall. People here use them for winter decorations, both in pot and as cutflower. We can supply extra fine strain which always shows beautiful color. Inferior strains do not show up.

											Pes oz.	Per lb
mixed colors, extra ...	...	...	...	...	...	...	...	...	...	...	.40	4.00
white on green, extra	...	...	...	...	...	...	...	...	...	...	.50	5.00
red on green, extra	...	...	...	...	...	...	...	...	...	...	.50	5.00

GAILLARDIA (Blanket Flower)

picta, single mixed colors	...	...	...	...	...	...	...	...	...	...	.25	2.50
" lorenziana, double mixed colors	...	...	...	...	...	...	...	...	...	...	.25	2.75
grandiflora, large-fl. mixed colors	...	...	...	...	...	...	...	...	...	...	.40	4.00
" Dazzler, yellow, maroon center	...	...	...	...	...	...	...	...	...	...	.50	5.00
" Monarch Strain, varied colors with large flowers	...	...	...	...	...	...	...	...	...	...	.50	5.00

GENTIANA

Makinoi , large and rich blue flower on tall plants, 2 to 2½ feet. Flowers in July/August.	Per ½oz	\$ 1.75	Per ¼oz	\$ 3.25	10.00	—
scabra buergeri , very late flowering variety with bright blue large flowers. 1 ft. Flowers in October/November.	Per ½oz	\$ 1.75	Per ¼oz	\$ 3.25	10.00	—

GLOBE AMARANTH (Gomphrena globosa)

finest mixed colors	...	...	...	...	...	...	...	...	...	...	.10	1.10
alba, white	...	...	...	...	...	...	...	...	...	...	.10	1.20
rosea, pink	...	...	...	...	...	...	...	...	...	...	.10	1.20
rubra	...	...	...	...	...	...	...	...	...	...	.10	1.20
Buddy , dwarf and compact, amaranth red color	...	...	...	...	...	...	...	...	...	...	.10	1.20
Haageana , orange	...	...	...	...	...	...	...	...	...	...	.40	4.00

GOULD

Japanese Bottle , small-sized	...	...	...	...	...	...	...	...	...	...	.15	1.50
" " large-sized	...	...	...	...	...	...	...	...	...	...	.15	1.50
Luffa or Dishcloth ...	...	...	...	...	...	...	...	...	...	...	.05	.50

GYPSOPHILA

Oldhamiana , a perennial Baby's Breath introduced by us years ago50	5.00
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HELICHRYSUM (Straw Flower)

monstrosum, large-flowered double mixed30	3.00
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HOLLYHOCK (*Althaea rosea*)

												Per oz.	Per lb
Indian Spring25	2.50
Double Charter's finest mixed colors60	6.00
Allegheny Mammoth mixed colors30	3.00

HUMULUS

japonicus (Japanese Hop Vine)25	2.50
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IPOMOEA (Also see Morning Glory)

cardinalis (Quamoclit hybrida), Cardinal Climber25	2.50
quamoclit (Cypress Vine), mixed colors	...	...	...	...	...	...	...	...	...	...	...	.20	2.00
" " " scarlet	...	...	...	...	...	...	...	...	...	...	...	.20	2.00
" " " white	...	...	...	...	...	...	...	...	...	...	...	.25	2.50

IRIS

Kaempferi, Japanese Flag Iris, garden variety mixed colors	...	...	...	...	...	...	...	...	...	...	...	.90	9.00
japonica	...	...	...	...	...	...	...	...	...	...	...	1.20	12.00
laevigata	...	...	...	...	...	...	...	...	...	...	...	1.20	12.00
sibirica orientalis, mixed colors75	7.50

KALANCHOE

Tom Thumb	50.00
Brilliant Star	30.00

KOCHIA

Childsii10	.60
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KUDZU VINE (Pueraria thunbergiana)

...15	1.50
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LATHYRUS

latifolius, finest mixed (Perennial Climbing Sweet Pea)60	6.00
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LILIUM

auratum, Golden Banded Lily	...	1.20	12.00
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auratum platyphyllum	...	1.50	15.00
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cordifolium, milk white, tinged with green at base	...	1.50	15.00
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japonicum	...	1.50	15.00
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longiflorum, White Queen, extra early flowering strain	...	6.00	60.00
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medeoloides, Wheel Lily	...	2.00	20.00
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philippense formosanum	...	1.00	10.00
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" "	Pure White-flowering Strain	1.50	15.00
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Regale	...	1.50	15.00
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rubellum	...	3.00	30.00
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rubrum	...	2.50	25.00
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Liliun auratum platyphyllum

LINARIA

maroccana, excelsior mixed colors	0.25	2.50
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LUPINUS

<i>hirsutus, large-seeded mixed colors</i>	Per oz .10	Per lb .90
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MARIGOLD (Tagetes)

<i>tall double mixed colors</i>20	2.00
“ <i>gigantea Sunset Giants</i>25	2.50
“ <i>Guinea Gold</i>	...	...	...	...	...	...	.25	2.30
“ <i>Victory</i>	...	...	...	...	...	...	.30	3.00
“ <i>Yellow Supreme</i>	...	...	...	...	...	...	.30	3.00
“ <i>chrysanthemum-fl. Mixed colors</i>	...	...	...	...	...	...	.25	2.50
“ “ <i>Crown of Gold</i>	...	...	...	...	...	...	.30	3.00
“ “ <i>Dixie Sunshine</i>	...	...	...	...	...	...	.30	3.00
“ “ <i>Giant Goldsmith</i>	...	...	...	...	...	...	.30	3.00
“ “ <i>Glitters</i>	...	...	...	...	...	...	.30	3.00
“ “ <i>Golden Bedder</i>	...	...	...	...	...	...	.30	3.00
“ “ <i>Limelight</i>	...	...	...	...	...	...	.30	3.00
“ “ <i>Pot of Gold</i>	...	...	...	...	...	...	.30	3.00
<i>French, Tall mixed colors</i>	...	...	...	...	...	...	.30	3.00
“ <i>Dwarf mixed colors</i>	...	...	...	...	...	...	.25	2.50
“ “ <i>Royal Scot</i>	...	...	...	...	...	...	.25	2.50
“ “ <i>Scarlet Glow</i>	...	...	...	...	...	...	.30	3.00
“ “ <i>Spry</i>	...	...	...	...	...	...	.30	3.00
“ “ <i>Harmony, double extra dwarf strain, top flowering showy</i> strain of our selection	...	...	...	...	...	...	.30	3.00
“ <i>Single Flash</i>	...	...	...	...	...	...	.30	3.00
“ “ <i>Naughty Marietta</i>30	3.00
“ “ <i>Red Head</i>30	3.00

MIMOSA

<i>pudica</i> (Sensitive Plant)30	3.00
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MIRABILIS

<i>Jalapa</i> (Marvel of Peru or Four O'Clock), finest mixed10	.75
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<i>MOONFLOWER, white seeded</i>20	2.00
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MORNING GLORIES

<i>major finest mixed colors</i>05	.60
<i>Cornell</i>20	2.00
<i>Crimson Rambler</i>10	.80
<i>Darling</i>	...	...	...	...	...	...	.20	2.00
<i>Scarlett O'Hara</i>	...	...	...	...	...	...	.20	2.00
“ “ <i>Climbing</i> (new, See Page 17)	...	...	...	...	...	...	.20	2.00
<i>White O'Hara</i>	...	...	...	...	...	...	.30	3.00
<i>Scarlett O'Hara Mixed Colors</i> , scarlet 60%, white 40%	...	...	...	...	...	...	.20	2.00
<i>imperialis, Japanese Imperial Morning Glory, mixed colors</i>	...	...	...	...	...	...	.10	1.00
<i>Japanese finest fringed mixed colors, extra selected</i>	...	...	...	...	...	...	.20	2.50

**MORNING GLORY JAPANESE IMPERIAL
SUPER GIANT STRAINS**

(See Page 17)

Sakata's Super Giant, mixed colors, extra large-fl. selected strain ...	<i>Per oz</i>	<i>Per lb</i>
" " " pink	1.00	10.00
" " " crimson white margined	1.20	12.00
" " " rose pink	1.20	12.00
" " " amaranth-red	1.20	12.00
" " " rich purple violet	1.20	12.00
" " " sky blue	1.20	12.00
" " " pure white	1.20	12.00

MYOSOTIS

alpestris, Azure Blue ... ... ...	.40	4.00
palustris Semperflorens , everflowering myosotis70	7.00

NIGELLA

damascena double-fl. Miss Jekyll mixed colors10	.75
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OENOTHERA (Evening Primrose)

biennis , tall yellow sweet-scented10	.60
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PAEONIA (Peony)

Moutan , collected from garden varieties ...	2.00	20.00
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P A N S Y

Super Swiss Giants Mixed Colors ...	<i>Per oz</i>	<i>Per lb</i>
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An extra selected mixed colors just as good as original Swiss Giants. Well rounded very large flowers mostly with bold and distinct colors characteristic to this group. Highly recommended.

Swiss Giants Mixed Colors
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Closely following to Super Swiss Giants in size and in color.

Swiss Giants, Alpenglow
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" " Berna
" " Ullswater (Lake of Thun),
" " Coronation Gold
" " Pure White
" " Raspberry Rose
" " Rheingold
" " Red Wing
" " Orange
" " Delft Blue
" " Firebeacon

Mastodon, Jumbo, Mixed Colors
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Trimardeau Mixed Colors
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" Tigress , selected mixture of characteristic fancy colors
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large-flowering Peter Pan Mixed Colors
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BABY PANSY

	Per oz	Per lb
Mrs. A. H. Scott (our introduction)
Viola type with Lord Beaconsfield color, very compact and showy.		
Baby Delight (our introduction), clear blue, extra early flowering
" Yellow (our introduction)
Our new introduction with yellow color, otherwise same as above.		
Baby Delight Apricot (our introduction), new breed with apricot color

PETUNIA

Hybrida Tall Growing Varieties

In this group, we have listed the strains which height comes from 17 to 18 inches high under normal condition.

Mixed Colors , our special blend of bright colors ...	...	...	...	...	...	.60	6.00
General Dodd , velvety purple-red, extra ...	...	...	...	...	...	1.00	10.00
Blue King , violet blue, extra ...	...	...	...	...	...	1.00	10.00
White King , pure white ...	...	...	...	...	...	.70	7.00
Topaz Rose , deep rose, extra ...	...	...	...	...	...	1.00	10.00
Howard's Star , velvety crimson with white star ...	...	...	...	...	...	1.50	15.00
Flaming Velvet , velvety scarlet crimson ...	...	...	...	...	...	1.50	15.00
Sutton's Blue Bedder , violet blue with silver center ...	...	...	...	...	...	1.00	10.00

Hybrida Semi-tall Growing Varieties

This group contains such varieties which grow from 13 to 16 inches under normal cultivation.

Mixed Colors , formula mixture of extensive bright colors ...	...	...	...	...	1.20	12.00
Peach Red , salmon rose, extra ...	...	...	...	...	2.50	25.00
Hollywood Star , rose star shaped ...	...	...	...	...	2.50	25.00
" " salmon (new), a beautiful salmon instead of pink ...	...	...	...	...	5.00	50.00
Cheerful , clear salmon-rose ...	...	...	...	...	2.00	20.00
Blue Bird , velvety violet-blue ...	...	...	...	...	1.80	18.00
Topaz Queen , scarlet rose, extra ...	...	...	...	...	2.00	20.00
Celestial Rose Improved , deep rose, extra ...	...	...	...	...	1.80	18.00
Rose Queen Improved , bright rose ...	...	...	...	...	2.50	25.00
Rose of Heaven , brilliant rose ...	...	...	...	...	1.50	15.00
Rosy Morn Selected , rose white center ...	...	...	...	...	1.80	18.00
White Perfection , pure white ...	...	...	...	...	1.00	10.00
Heavenly Blue , silver blue, extra ...	...	...	...	...	1.80	18.00
Glow , carmine scarlet ...	...	...	...	...	4.00	40.00
English Violet , violet-mauve, extra ...	...	...	...	...	1.50	15.00
Cream Star , creamy-white ...	...	...	...	...	2.50	25.00
First Lady , salmon rose-pink, extra ...	...	...	...	...	3.50	35.00
New Rosy Morn , light rose white center ...	...	...	...	...	2.50	25.00

Hybrida Nana Compacta

This group is the dwarfest of bedding Petunias. Height ranging from 10 to 12 inches under normal condition.

Mixed Colors , formula mixture of extensive bright colors ...	...	...	...	1.70	17.00
Little Violet Star (new) ...	...	...	...	7.50	75.00

Petunia Hybrida Nana Compacta (*Continued*)

	<i>Per oz</i>	<i>Per lb</i>	
Elk's Star Improved (new)	5.00	50.00	
Blue Gem (new)	5.00	50.00	
Coral Red (new)	10.00	100.00	
Fire Chief	8.00	80.00	
Bright Eye , extra	2.50	25.00	
Snow Queen , pure white, extra	2.00	20.00	
Caprice (new), velvety violet blue white variegated	5.00	50.00	
Snow Mountain , extra	2.50	25.00	
Igloo , white	1.80	18.00	
Northern Star , violet blue with white star, extra ...	1.80	18.00	
Radiance , cerise-rose with golden throat	4.50	45.00	
Twinkles Reselected , bright rose starred white, extra ...	4.50	45.00	
Elk's Star , velvety crimson starred white, extra ...	2.50	25.00	
King Henry , velvety scarlet, extra	2.00	20.00	
<i>Per $\frac{1}{4}$ oz</i>		<i>Per oz</i>	
Little Violet Star (sakata)	5.50	20.00	
Elk's Star Imp.	5.50	20.00	
Blue Gem (sakata)	5.50	20.00	
Coral Red (sakata)	5.50	20.00	
Glow (sakata)	Hand pollinated. (See pages 9 to 10)	4.00	15.00
Twinkles		4.00	15.00
Bright Eye		4.00	15.00
Caprice (sakata)		5.50	20.00
Little Blue Star (sakata)		5.50	20.00

Hybrida Pendula or Balcony

	<i>Per oz</i>	<i>Per lb</i>
Mixed Colors	1.50	15.00
Rosy Morn , bright rose, white center ...	1.70	17.00
Cornflower Blue	1.70	17.00
Rose	1.70	17.00
White	1.70	17.00
Red	1.70	17.00
Blue	1.70	17.00

Grandiflora, Dwarf Large-fl. finest mixed colors

... 25.00 250.00

sakata's F1 HYBRID PETUNIAS (See Pages 7 to 9)							<i>Per</i>	<i>Per</i>
	<i>Per $\frac{1}{8}$ oz</i>	<i>Per $\frac{1}{4}$ oz</i>	<i>Per oz</i>	<i>Per lb</i>				
F1 Fire Gleam (Salmon Orange)	11.00	20.00	75.00					
F1 Minstrel (Plain Edged Blue and White)	11.00	20.00	75.00					
F1 Fairyland (Salmon Pink)	11.00	20.00	75.00					
F1 Blue Mantle (New)	14.50	27.00	100.00					
F1 Pink Charm (Clear Pink)	11.00	20.00	75.00					
F1 Flirt (Carmine Rose)	11.00	20.00	75.00					
F1 Bonfire (Salmon Scarlet)	14.50	27.00	100.00					
F1 Nana Compacta Pink Beauty	7.50	14.00	50.00					
" " " Brilliancy (Brilliant Crimson)	7.50	14.00	50.00					
" " " Pink Queen	8.50	16.00	70.00					

PETUNIA SAKATA'S ALL DOUBLE STRAINS

(See Page 2)

Giant Victorious

					Per 1/32 oz	Per 1/16 oz	Per 1/8 oz	Per 1/4 oz	Per oz
Formula Mixed Colors	...	...	...	...	10.75	21.25	41.50	80.00	300.00
Cheerful	...	...	...	...	12.25	23.75	46.50	90.00	350.00
Sunset Giant	...	...	...	...	12.25	23.75	46.50	90.00	350.00
Purple Queen	...	...	...	...	12.25	23.75	46.50	90.00	350.00
Darling	...	...	...	...	12.25	23.75	46.50	90.00	350.00
Salmon Supreme	...	...	...	...	12.25	23.75	46.50	90.00	350.00
Blue Monarch	...	...	...	...	12.25	23.75	46.50	90.00	350.00
White Swan	...	...	...	...	12.25	23.75	46.50	90.00	350.00
Striped	...	...	...	...	10.75	21.25	41.50	80.00	300.00
Giant Orchid Beauty	...	...	...	...	12.25	23.75	46.50	90.00	350.00
Salmon Shades	...	...	...	...	12.25	23.75	46.50	90.00	350.00

Victorious Strain

Formula Mixed Colors	...	...	...	...	9.25	17.50	33.50	65.00	250.00
Attraction Reselected	...	...	...	...	10.75	21.25	41.50	80.00	300.00
Blue Brocade Reselected	...	...	...	...	10.25	19.25	37.50	72.00	275.00
Gaiety	...	...	...	...	14.15	27.45	53.25	103.00	400.00
Loveliness Reselected	...	...	...	...	10.25	19.25	37.50	72.00	275.00
Orchid Beauty Reselected	...	...	...	...	10.25	19.25	37.50	72.00	275.00
Prima Donna Reselected	...	...	...	...	10.25	19.25	37.50	72.00	275.00
Pure White Reselected	...	...	...	...	10.25	19.25	37.50	72.00	275.00
Rosy Carmine Reselected	...	...	...	...	10.25	19.25	37.50	72.00	275.00
Royal Purple Reselected	...	...	...	...	10.75	21.25	41.50	80.00	300.00
Triumphant Gt.-fl. mixed colors	...	...	...	...	4.75	8.75	16.50	32.00	125.00

P H L O X

Globe Phlox (Tom Thumb) mixed colors	(See page 18)	...	...	...	Per oz	Per lb
Drummondii cuspidata (Star Phlox), mixed colors, covers wide range of bright colors	...	...	...	...	2.00	20.00
" grandiflora, finest mixed colors	...	...	...	...	.60	6.00
" " chamois rose	...	...	...	...	.60	6.00
" " cinnabar scarlet	...	...	...	...	.65	6.50
" " coccinea	...	...	...	...	.65	6.50
" " deep rose with eye	...	...	...	...	.65	6.50
" " flesh rose eye	...	...	...	...	.65	6.50
" " Isabellina	...	...	...	...	.60	6.00
" " rosea	...	...	...	...	.60	6.00
" " stellata atropurpurea	...	...	...	...	.60	6.00
" " stellata splendens	...	...	...	...	.60	6.00
" " violacea, violet blue	...	...	...	...	.60	6.00
" " white	...	...	...	...	.60	6.00
" nana compacta, mixed colors, covers wide range of bright colors	...	...	...	...	1.20	12.00
" nana compacta, coerulea stellata	...	...	...	...	1.50	15.00
" " " Fireball	...	...	...	...	1.50	15.00

PHLOX (Continued)

							Per oz	Per lb
	Drummondii nana compacta, sky blue white eye						.150	15.00
"	" " white						.150	15.00
"	gigantea, mixed colors						.70	7.00
"	" Red Glory						.80	8.00
"	" Salmon Glory						.80	8.00

PHYSALIS (Chinese Lantern Plant)

Franchetii							.50	5.00
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PLATYCODON

grandiflora, early-fl. mixed colors, blue and white							.80	8.00
" blue							.90	9.00
" white							1.00	10.00

PORFULACA (See Page 18)

Double-fl. mixed, common double mixed							1.00	10.00
Extra Selected Full Double extra large-fl. mixed Colofs							1.60	16.00

Finding very superior strain, we bent a great deal of selection and can supply real excellent quality in huge flower size with wider range of many brilliant colors. We are proud of our new type. Can recommend with confidence.

grandiflora double-fl., carmine, extra							2.50	25.00
" " rose-pink, extra							2.50	25.00
" " salmon shade,							2.50	25.00
" " scarlet, extra							2.50	25.00
" " white, extra large flowering full double							2.50	25.00
" " yellow, extra							2.50	25.00

RUDBECKIA

purpurea							.40	4.00
hybrida mixed colors							.35	3.50
hirta, My Joy							.50	5.00

SALVIA

splendens								
" America							1.20	12.00
" Bonfire							1.20	12.00
" Harbinger,							1.60	16.00
" St. John's Fire							4.00	40.00
" Zurich							1.40	14.00
farinacea, Blue Bedder								

SAPONARIA

Vaccaria rose							.20	2.00
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SCABIOSA

japonica, perennial							.25	2.50
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SILENE

Armeria red							.15	1.50
pendula rose							.15	1.50

SOLANUM

									Per oz	Per lb
Love Apple (<i>Intregifolium</i>)30	3.00
Craigie (Christmas Pepper) dwarf ornamental pepper, green first then white and purplish finally red	...	...	...	...	...	...	...	...	1.20	12.00
Christmas Cherry	...	...	...	...	...	...	...	...	1.50	15.00
New Christmas Cherry (See page 16)	...	...	...	...	...	...	...	...	2.50	25.00

STOKESIA

cyanea, mixed, colors	1.00	10.00
" blue	1.00	10.00

STRAWBERRY

Baron Solemacher Red	1.20	12.00
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SUNFLOWER (*Helianthus*)

Annus nanus very dwarf double20	2.00
cucumerifolius15	1.50
" stella	...	...	...	...	...	...	...	...	.15	1.50
hybridus purpureus (Red Sunflower)	...	...	...	...	...	...	...	...	.10	1.00
annual semi-tall Sungold, full double	...	...	...	...	...	...	...	...	.25	2.50

SWEET WILLIAM

annual mixed colors25	2.50
choice single mixed colors15	1.50

TITHONIA

Torch (new)50	5.00
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TORENIA

Fournieri, mixed colors	2.00	20.00
" blue	2.50	25.00
" white	2.50	25.00

VERBENA

grandiflora Royal Bouquet mixed colors, erect growing	...	...	...	...	...	...	...	...	.70	7.00
hybrida grfl. (<i>Gigantea</i>) mixed colors	...	...	...	...	...	...	...	...	.60	6.00

VINCA (Periwinkle)

rosea, well balanced mixed colors	...	...	...	...	...	...	...	...	.50	5.00
" rose	...	...	...	...	...	...	...	...	.60	6.00
" alba oculata, crimson eye on white ground	...	...	...	...	...	...	...	...	.60	6.00
" alba pura, pure white	...	...	...	...	...	...	...	...	.60	6.00
" delicata, soft pink with dark eye	...	...	...	...	...	...	...	...	.60	6.00
" Kermesina, tall growing darker rose colored than Rosea	...	...	...	...	...	...	...	...	1.00	10.00

VIOLA CORNUTA (Tufted Pansy)

True Tufted Pansy mixed colors	...	...	...	...	...	...	...	...
large-fl. hybrid mixed colors	...	...	...	...	...	...	...	...
small-fl. mixed colors, (Johnny Jump Up type of Viola)	...	...	...	...	...	...	...	...
Mixture of very small flowers only, mostly violet shades.	...	...	...	...	...	...	...	...
Papilio, blue and white	...	...	...	...	...	...	...	...
Blue Beauty	...	...	...	...	...	...	...	...
Lutea splendens, best yellow	...	...	...	...	...	...	...	...
Chantreyland, apricot	...	...	...	...	...	...	...	...
Admiration, dark blue	...	...	...	...	...	...	...	...
Blue Perfection, bright blue	...	...	...	...	...	...	...	...
Blue Butterfly, mid-blue	...	...	...	...	...	...	...	...
King Henry, violet blue, yellow eye	...	...	...	...	...	...	...	...
Blue Elf, deep violet blue	...	...	...	...	...	...	...	...
Miss Helen Mount, rich violet purple upper petals, lavender lower petals	...	...	...	...	...	...	...	...

